Notice of Allowability	Application No.	Applicant(s)	
	09/819,188	GOODING, THOMAS MICHAEL	
	Examiner	Art Unit	
	VAN H. NGUYEN	2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *Applicant's amendments on 9/8/05*.

2. ☒ The allowed claim(s) is/are *1-4,7, 9, 10, 18-21, 24, 26, and 27 (now renumbered as 1-14)*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☒ Other The drawings filed 3/28/01 are acceptable.

THOMAS LEE
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Examiner's Amendment

I. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

II. Authorization for this examiner's amendment was given in a telephone interview with Mr. Randol W. Read (Reg. No.43, 876) on September 8, 2005.

III. **The application has been amended as follows:**

In the claims:

A. All previous copies of claims 1, 9, 10, 18, 26, and 27 have been replaced with the following clean copy of claims 1, 9, 10, 18, 26, and 27 as amended by the Examiner's amendment:

Claim 1. A computer-implemented method for transmitting local node function parameters from a local node to a remote node for execution of a function on the remote node, comprising:

associating a representation string with function parameters on a first stack, wherein each character in the representation string corresponds to a data type of an individual function parameter on the first stack;

dereferencing pointer parameters on the first stack;

generating a pure value buffer with the function parameters and the dereferenced pointer parameters;

flattening the pure value buffer by eliminating remote node write only-type data from the pure value buffer;

transmitting the flattened pure value buffer to the remote node;

receiving the pure value buffer at the remote node;

generating a second stack on the remote node mirroring the first stack on the local node;

executing the function using the remote stack;

creating a return pure value buffer; and

transmitting the return pure value buffer to the local node.

Claim 9. The method of claim 1, wherein generating the second stack further comprises using the representation string to recreate the second stack from the pure value buffer.

Claim 10. The method of claim 1, further comprising:

receiving the return pure value buffer on the local node;

regenerating the first stack on the local node; and

replacing each pointer that was written back in an original memory location pointed to by the first stack.

Claim 18. A computer readable medium storing a software program that, when executed by a processor, causes the processor to perform a method for transmitting local node function parameters to a remote node for execution of a function on the remote node, comprising:

associating a representation string with function parameters on a first stack, wherein each character in the representation string corresponds to a data type of an individual function parameter on the first stack;

dereferencing pointer parameters on the first stack;

generating a pure value buffer with the function parameters and the dereferenced pointer parameters;

flattening the pure value buffer by eliminating remote node write only-type data from the pure value buffer;

transmitting the flattened pure value buffer to the remote node;

receiving the pure value buffer at the remote node;

generating a second stack on the remote node mirroring the first stack on the local node;

executing a function using the second stack;

creating a return pure value buffer; and

transmitting the return pure value buffer to the local node.

Claim 26. The computer readable medium of claim 18, wherein generating the second stack further comprises using the representation string to recreate the second stack from the pure value buffer.

Claim 27. The computer readable medium of claim 18, further comprising:

receiving the return pure value buffer on the local node;

regenerating the first stack on the local node; and

replacing each pointer that was written back in an original memory location pointed to by the first stack.

B. Claims 8, 11-15, 17, 25, 28-31, 33, and 34 have been cancelled.

IV. Any inquiry concerning this communication or earlier communications from the examiner should be directed to VAN H. NGUYEN whose telephone number is (571) 272-3765. The examiner can normally be reached on Monday-Thursday from 8:30AM - 6:00PM. The examiner can also be reached on alternative Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:
Commissioner for patents
P O Box 1450
Alexandria, VA 22313-1450

VHN

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